

Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

THE ANALYST.

A JOURNAL OF

PURE AND APPLIED MATHEMATICS.

EDITED AND PUBLISHED BY

J. E. HENDRICKS, A. M.

VOLUME VII.

DES MOINES, IOWA:
MILLS & CO., BOOK AND JOB PRINTERS.
1880.

ALPHABETICAL INDEX.

PAGE	PAGE
A Fourth Proportional, 128 Kirk	twood, Prof. Daniel, 9
A General Solution of Problem 292, 145 Ladd	d, Miss Christine, 147
A Quasi proof of the Arithmetical Mean, 150 Mr.	Glaisher's Enumeration of Primes, 118
	hanics by Quaternion's, - 137, 177
Announcement of Vol. VIII, 199 Macr	nie John, 152, 190
	niot Octavian, L 72
Adcock, R. J.,	on Schulenburg's Solution of the
	eneral Equation of the 5th Degree, 53
	Demons. of the Binomial Theorem, 190
Correspondence, 54, 151 Note	on the Computation of π , - 55
Continuation of Note at page 57, . 88 On U	Insymmetrical Adjustments and
	eir Limits, 1
Criticisms, 185 On the	he Varia'n of the Length of the Day, 9
Christie, Alexander S., 185 On so	ome Properties of Polyno's, 29, 73, 105
Craig, Dr. Thomas, 13 Origi	in of the name Quaternion, - 52
	ne Quadrature of Curves and the
Determination of a Sphere which Cuts Cut	bature of Solids by Infinite Series, 47
Five given Spheres at the Same Angle, 13 On the	ne Phenomena of the Tides, - 154
	Theorem in Probability, - 169
Determination of the area of an Ellipse Probl	lems, 31, 63, 103, 135, 167, 199
Geometrically, 72 Publi	ic'ns Re'cd, 32, 64, 104, 136, 168, 200
De Forest, E. L., 1, 39, 54, 73, 105, 169 Paral	llel Chords in an Ellipse, - 82
	f of some Remarkable Properties
Experimental Determination of the in t	the Method of Least Squares, 84
Formula for Probable Error, - 189 Proof	f of a Proposition in Solid Geom. 154
Eastwood, George, 158 Quate	ernions, 11, 33, 65, 121
Errata, - 32, 64, 104, 136, 168, 200 Soluti	ions of Problems in No. 6, Vol. VI, 24
Formula for Force of Mortality, - 54 in I	No. 1, 58, in No. 2, 97, in No 3, 132
Geometrical Solution of Problem 126, 120 in I	No. 4, 164, in No. 5, 193
	ion of Special Case of Prob. 288, 115
Hall, Prof. Asaph, 82 Soluti	ion of a Prob. in Curves of Pursuit, 117
Harvill, George H., 56 Soluti	ion of Prob. 292 with Cond. Ch'd, 160
Hyde, Prof. E. W., - 137, 157, 177 Siverl	ly, Walter, 54
Hoover, William, 160 Scheff	fer Prof. J 55
Introduction to Differentiation, - 152 Stone,	, Ormond, 150, 162
	Prunoid or Plum Curve, 17
	Vine-line Conic, 147
	dridge, Prof. David, 47